

PDR RID Report

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Document Real Time Scenario

RID ID	PDR	51
Review	FOS	
Originator Ref	IVV-GSS-05	
Priority	2	

Section Command Authority
Request Design

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Figure Table NA

Category Name Design

Actionee HAIS

Sub Category

Subject Revoking Command Authority Process and Safeguards

Description of Problem or Suggestion:

It was stated that command authority would be revoked if needed. How will the system handle a situation where a session is revoked while a command is loaded on the spacecraft? How will the transition be accomplished? Also what safeguards exist to prevent a user from accidentally revoking another user by, for example, mistakenly selecting the wrong spacecraft?

Originator's Recommendation

Indicate how revoking a command session closes one session while it initiates another if commanding was being performed on the suspended session. Also indicate the timing involved in switching from one session to another, especially during contingencies, and what safeguards will be provided to prevent an operator from accidentally suspending a command session.

GSFC Response by:

GSFC Response Date

HAIS Response by: D. Herring

HAIS Schedule 1/6/95

HAIS R. E. D. Dunn

HAIS Response Date 1/6/95

Command authority is granted to an EOC user that explicitly requests the privilege and after it is determined by software that the user is pre-approved to hold the privilege. A user requesting command authority is explicitly connected to a specific real-time operational logical string dedicated to a particular spacecraft, therefore it is unlikely that a user could mistakenly select the wrong spacecraft and be granted privilege to command that spacecraft.

Transition of command authority from one EOC user to another is accomplished by a software switch. Command authority is not a session or a software task that executes. When authority is requested and granted to a new user, a flag is updated to reflect the new authorized user within a logical string. Command authority is revoked from the previous user and granted to the new user in a single step.

In the case of a command load, the load will continue to execute when command authority changes. At any time, only the EOC user with command authority can start, stop or suspend execution of the load.

Status Closed

Date Closed 2/1/95

Sponsor Johns

***** Attachment if any *****